



1 The object of this patent is to provide methods of aerospace propulsion in vertical and
2 horizontal directions. In vertical propulsion, this invention circulates matter, within the confine
3 of a machine, at speeds greater than the velocity required for circular orbit of the planet, so as to
4 develop radial acceleration relative to the planet center, creating upward thrust. This method is
5 referred to as "Gyroscopic Lift".

6 It is the further object of this invention to provide additional method of propulsion that
7 may be applied in the horizontal direction. This invention alternates acceleration and
8 deceleration of matter, as it travels in a circulatory system, so as to create a directional
9 imbalance of forces on the geometric plane of circulation. Horizontal propulsion, for the device
10 as a whole, is developed as a reaction to the change in velocity for particles within a closed
11 system of circulation. This method is referred to as "Impulse Propulsion".